

SEQUENCE LISTING

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<110> FRENCH, Cynthia K.
      YAMAMOTO, Karen K.
      EL SHAMI, A. Said
<120> Prostate Cancer-Specific Marker
<130> 107-206-C-D
<140> to be assigned
<141> 2003-08-26
<150> 60/041,246
<151> 1997-03-07
<150> 60/047,811
<151> 1997-05-15
<150> 09/036,315
<151> 1998-03-06
<150> 09/535,597
<151> 2000-03-27
<150> 09/680,121
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| aaa tca tcc aag Lys Ser Ser Lys | | | | | | | | | | | | |
| ctt aag gga gtt g Leu Lys Gly Val 2 60 | _ | - | | | | | | | | | | |
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| _ | | | | tca Ser | | | | _ | | | | _ | 1038 |
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| | | | | | | aga Arg | | | | | | | | | | 1422 |
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20 25 30

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Phe Ala Trp Ile Cys Cys Gln Arg Lys Ser Ser Lys Ser Asn Lys Thr 35 40 45

Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp Ile Tyr Pro 50 55 60

Glu Asn Leu Asn Ser Lys Lys Lys Phe Gly Ala Asp Asp Lys Asn Glu
65 70 75 80

Val Lys Asn Lys Pro Ala Val Pro Lys Asn Ser Leu His Leu Asp Leu 85 90 95

Glu Lys Arg Asp Leu Asn Gly Asn Phe Pro Lys Thr Asn Leu Lys Pro
100 105 110

Gly Ser Pro Ser Asp Leu Glu Asn Ala Thr Pro Lys Leu Phe Leu Glu 115 120 125

Gly Glu Lys Glu Ser Val Ser Pro Glu Ser Leu Lys Ser Ser Thr Ser 130 135 140

Leu Thr Ser Glu Glu Lys Gln Glu Lys Leu Gly Thr Leu Phe Phe Ser 145 150 155 160

Leu Glu Tyr Asn Phe Glu Arg Lys Ala Phe Val Val Asn Ile Lys Glu Ala Arg Gly Leu Pro Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro Tyr Ile Lys Met Thr Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr Arg Val Leu Arg Lys Thr Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr Phe Tyr Gly Ile Pro Tyr Thr Gln Ile Gln Glu Leu Ala Leu His Phe Thr Ile Leu Ser Phe Asp Arg Phe Ser Arg Asp Asp Ile Ile Gly Glu Val Leu Ile Pro Leu Ser Gly Ile Glu Leu Ser Glu Gly Lys Met Leu Met Asn Arg Glu Ile Ile Lys Arg Asn Val Arg Lys Ser Ser Gly Arg Gly Glu Leu Leu Ile Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu Thr Val Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser Gly Leu Ser Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys Arg Ile Ser Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala Val Phe Asn Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Gly Leu Glu Asp Ile Ser Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg Asn Glu Val Ile Gly Gln Leu Val Leu Gly Ala Ala Glu Gly Thr



V

Gly Glu His Trp Lys Glu Ile Cys Asp Tyr Pro Arg Arg Gln Ile

425

Ala Lys Trp His Val Leu Cys Asp Gly

420

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Pro Pro Tyr Lys Phe Val His Val Leu Lys Gly Val Asp Ile Tyr Pro
50 55 60

Glu Asn Leu Ser Ser Lys Lys Lys Phe Gly Gly Asp Asp Lys Ser Glu 65 70 75 80

Ala Lys Arg Lys Ala Ala Leu Pro Asn Leu Ser Leu His Leu Asp Leu 85 90 95

Glu Lys Arg Asp Leu Asn Gly Asn Phe Pro Lys Thr Asn Pro Lys Ala 100 105 110

Gly Ser Ser Asp Leu Glu Asn Val Thr Pro Lys Leu Phe Pro Glu 115 120 125

Thr Glu Lys Glu Ala Val Ser Pro Glu Ser Leu Lys Ser Ser Thr Ser 130 135 140

Leu Thr Ser Glu Glu Lys Gln Glu Lys Leu Gly Thr Leu Phe Leu Ser 145 150 155 160

Leu Glu Tyr Asn Phe Glu Lys Lys Ala Phe Val Val Asn Ile Lys Glu 165 170 175

Ala Gln Gly Leu Pro Ala Met Asp Glu Gln Ser Met Thr Ser Asp Pro 180 185 190

Tyr Ile Lys Met Thr Ile Leu Pro Glu Lys Lys His Lys Val Lys Thr 195 200 205

Arg Val Leu Arg Lys Thr Leu Asp Pro Val Phe Asp Glu Thr Phe Thr 210 215 220

Phe Tyr Gly Val Pro Tyr Pro His Ile Gln Glu Leu Ser Leu His Phe 225 230 235 240

Thr Val Leu Ser Phe Asp Arg Phe Ser Arg Asp Asp Val Ile Gly Glu 245 250 255

Val Leu Val Pro Leu Ser Gly Ile Glu Leu Ser Asp Gly Lys Met Leu 260 265 270



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Met Thr Arg Glu Ile Ile Lys Arg Asn Ala Lys Lys Ser Ser Gly Arg
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Gly Glu Leu Leu Val Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu
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Thr Val Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser
                    310
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Gly Leu Ser Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys
                325
                                     330
Arg Ile Ser Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala
            340
                                 345
                                                     350
Val Phe Asn Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Ser Leu Glu
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                             360
                                                 365
Glu Ile Ser Val Glu Phe Leu Val Leu Asp Ser Glu Arg Gly Ser Arg
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                        375
                                             380
Asn Glu Val Ile Gly Arg Leu Val Leu Gly Ala Thr Ala Glu Gly Ser
                    390
385
                                         395
Gly Gly Gly His Trp Lys Glu Ile Cys Asp Phe Pro Arg Arg Gln Ile
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Ala Lys Trp His Met Leu Cys Asp Gly
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Asp Pro Tyr Val Lys Val Lys Leu Ile Pro Asp Asp Lys Asp Gln Ser 50 55 60

Lys Lys Lys Thr Arg Thr Thr Lys Ala Cys Leu Asn Pro Val Trp Asn 65 70 75 80

Glu Thr Leu Thr Tyr Asp Leu Lys Pro Glu Asp Lys Asp Arg Arg Ile 85 90 95

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Gly Ala Leu Ser Phe 115

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Leu Ile Ser Leu Cys Tyr Gln Ser Thr Ile Asn Thr Leu Thr Val Val
20 25 30

Val Leu Lys Ala Arg His Leu Pro Lys Ser Asp Val Ser Gly Leu Ser 35 40 45

Asp Pro Tyr Val Lys Val Asn Leu Tyr His Ala Lys Lys Arg Ile Ser 50 55 60

Lys Lys Lys Thr His Val Lys Lys Cys Thr Pro Asn Ala Val Phe Asn 65 70 75 80

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Glu Leu Phe Val Phe Asp Ile Pro Cys Glu Gly Leu Glu Asp Ile Ser
85 90 95
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Ile Gly Gln Leu Val Leu Gly Ala Ala 115 120

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Leu Lys Lys Met Asp Val Gly Gly Leu Ser Asp Pro Tyr Val Lys Ile 35 40 45

His Leu Met Gln Asn Gly Lys Arg Leu Lys Lys Lys Thr Thr Ile 50 55 60

Lys Lys Asn Thr Leu Asn Pro Tyr Tyr Asn Glu Ser Phe Ser Phe Glu 65 70 75 80

Val Pro Phe Glu Gln Ile Gln Lys Val Gln Val Val Thr Val Leu 85 90 95

Asp Tyr Asp Lys Ile Gly Lys Asn Asp Ala Ile Gly Lys Val Phe Val
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Gly Tyr Asn 115



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             20
                                  25
Ala Ala Glu Leu Pro Ala Leu Asp Met Gly Gly Thr Ser Asp Pro Tyr
                              40
Val Lys Val Phe Leu Leu Pro Asp Lys Lys Lys Phe Glu Thr Lys
                         55
Val His Arg Lys Thr Leu Asn Pro Val Phe Asn Glu Gln Phe Thr Phe
                                                               80
                     70
                                          75
Lys Val Pro Tyr Ser Glu Leu Gly Gly Lys Thr Leu Val Met Ala Val
                 85
                                      90
                                                           95
Tyr Asp Phe Asp Arg Phe Ser Lys His Asp Ile Ile Gly Glu Phe Lys
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                                                     110
            100
Val Pro Met Asn Thr Val Asp Phe
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acid positions 150-263)
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Ser

DI

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Gly Leu Val Phe Thr Val Ser Leu Phe Ala Trp Ile Cys Cys Gln
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Lys Gly Val Asp Ile Tyr Pro Glu Asn Leu Asn Ser Lys Lys Phe
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Gly Ala
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Glu Lys Glu Ser Val Ser Pro Glu Ser
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Leu Asp Pro Ala Phe Asp Glu Thr Phe Thr Phe Tyr Gly Ile Pro Tyr
Thr Gln Ile Gln Glu Leu Ala Leu His Phe Thr Ile Leu Ser Phe Asp
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Arg Phe Ser Arg Asp Asp Ile Ile Gly Glu Val Leu
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Leu Leu Ile Ser Leu Cys Tyr Gln Ser Thr Thr Asn Thr Leu
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